

## 101.14 Cast Steels, White Cast Irons, and Ductile Irons (disk form)

These SRMs are for analysis of cast steels and cast irons by rapid instrumental methods.

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PLEASE NOTE: The tables are presented to facilitate comparisons among a family of materials to help customers select the best SRM for their needs. For specific values and uncertainties, the certificate is the only official source.

Elemental Composition (mass fraction, in %)																			
SRM	Description	C	Mn	P	S	Si	Cu	Ni	Cr	V	Mo	Ti	As	Al	Co	Mg	Ce	La	B
C1137a	White Cast Iron	2.86	0.52	0.087	0.017	1.15	0.192	2.17	0.643	0.019	0.86	(0.04)	(0.007)	Mg 0.032	Ce 0.016				
1138a	Cast Steel (No. 1)	0.118	0.35	0.035	0.056	0.25	0.09	0.10	0.13	0.020	0.05	(0.0012)	(<0.005)	(0.067)	Fe (98.7)				
1139a	Cast Steel (No. 2)	0.790	0.92	0.012	0.013	0.80	0.47	0.98	2.18	0.26	0.51	(0.004)	(<0.005)	(0.13)	Fe (93.0)				
C1145a	White Cast Iron	2.92	0.187	0.215	0.191	0.271	0.46	0.62	0.63	0.112	0.48	0.012	(0.02)	(0.04)		0.058			
C1173	Cast Steel 3	0.453	0.174	0.031	0.092	1.38	0.204	4.04	2.63	0.42	1.46	0.037	(0.02)	(0.005)	Pb (0.0006)	(0.064)			
1173	Ni-Cr-Mo-V Steel	0.423	0.19	0.033	0.092	1.28	0.204	4.06	2.70	0.42	1.50	(0.015)		Nb (0.045)	(0.064)				
C1290	High Alloy (HC-250+V)	3.04	0.66	0.030	0.013	0.971	0.065	0.917	30.5	0.442	(0.041)								
C1291	High Alloy (Ni-Hard, Type I)	2.67	1.14	0.028	0.032	1.34	0.26	4.34	2.78	0.031	0.32								
C1292	High Alloy (Ni-Hard, Type IV)	3.47	0.55	0.049	0.016	0.59	0.36	5.04	11.4	0.041	0.25								
C2423	Ductile Iron A	3.76	0.98	0.27	(0.0006)	1.67	1.55	0.146	0.322	0.048	0.155	0.10	(0.09)		(0.02)	0.058 0.036	0.011	(0.01)	
C2423a	Ductile Iron B	3.66	0.91	0.246	(<0.001)	1.59	1.61	0.147	0.322	0.043	0.159	0.10	(0.08)		(0.02)	0.076 0.031	0.0042	(0.01)	
C2424	Ductile Iron C	2.68	0.268	0.041	0.024	3.37	0.125	0.061	0.13	0.083	0.019	0.050	(<0.01)		(0.02)	0.006 0.0046	0.0011	(0.002)	
C2424a	Ductile Iron D	2.76	0.207	0.034	0.016	3.30	0.099	0.045	0.15	0.081	0.019	0.045	(<0.01)		(0.02)	0.014 0.0053	0.0010 (0.001)		